

Appendix A: Agenda

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Appendix B: Attendees

Conveners: J. Galambos (SNS), Sergei Nagaistsev (FNAL), M. Bai (BNL),
Intensity frontier liaison: R. Tschirhart (FNAL)

Kaon physics: L. Littenberg (BNL), S. Kettell (BNL)

Muon physics: B. Morse (BNL), B. Bernstein (FNAL)

Neutrino Physics: M. Bishai (BNL), B. Zwaska (FNAL), G. Karagiorgi (Columbia), K. Scholberg (Duke), J. Sptitz (MIT)

Neutron Physics: Y. Kamyshkov (U. Tenn.), A. Young (NCSU)

Proton EDM: Y. Semertzidis (BNL)

Muon Collider: M. Palmer (FNAL)

Polarized proton: A. Krisch (U. Mich., video)

International proton facilities: D. Findlay (ISIS), M. Seidel (PSI), T. Koseki (J-PARC), Y. Papaphilippou (CERN), S. Peggs (ESS), J. Tang (CSNS, video), R. Baartman (TRIUMF)

US proton facilities: R. Garnett (LANL), B. Weng (BNL), T. Roser (BNL), W. Fischer (BNL), D. Trbojevic (BNL), S. Holmes (FNAL), V. Lebedev (FNAL), I. Kourbanis (FNAL), B. Kephart (FNAL), N. Solyak (FNAL), M. Plum (SNS), J. Alonso (LBNL, video)

Target Experts: N. Simos (BNL), T. Gabriel (U. Tenn.), H. Kirk (BNL), K. McDonald (Princeton)

Machine Protection Expert: R. Schmidt (CERN)

HEP laboratory representatives: D. Li (LBNL), C. Adolphson (SLAC), J. Preble (J-Lab)

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| Conveners/liaison | 4 |
| Physics needs | 14 |
| Accelerator facilities, international | 7 |
| Accelerator facilities, US | 12 |
| System Experts | 5 |
| HEP lab representatives | 3 |
| Total | 45 |

References

- ¹ V. Danilov, A. Aleksandrov, S. Assadi, J. Barhen, W. Blokland, Y. Braiman, D. Brown, C. Deibele, W. Grice, S. Henderson, J. Holmes, Y. Liu, A. Shishlo, A. Webster, I.N. Nesterenko, "Proof-of-principle demonstration of high efficiency laser-assisted H- beam conversion to protons," *PRST-AB*, vol. 10, no. 053501, 2007.
- ² V. Danilov, A. Aleksandrov, S. Assadi, S. Henderson, N. Holtkamp, T. Shea, A. Shishlo, Y. Braiman, Y. Liu, J. Barhen, T. Zacharia, "Three-step H- charge exchange injection with a narrow-band laser," *PRST-AB*, vol. 2, no. 053501, 2003.
- ³ P. Hurh, et al., "Targetry Challenges at Megawatt Proton Accelerator Facilities," THPFI083, Proceedings of the 4th International Particle Accelerator Conference, 2013
- ⁴ R.L. Sindelar, et al., "Corrosion of metals and alloys in high radiation fields," *Materials Characterization* 43:147-157 (1999).
- ⁵ N. Simos, et al., "Long Baseline Neutrino Experiment (LBNE) target material radiation damage from energetic protons of the Brookhaven Linear Isotope Production (BLIP) facility," Final Report, Fermilab (2013).
- ⁶ A. Fabich, et al., "First Year of Operations in the HiRadMat Irradiation Facility at CERN," THPFI055, Proceedings of the 4th International Particle Accelerator Conference, 2013
- ⁷ D. W. Wootan, et al., "Broader Impacts of Project X Spallation Source for Irradiation Testing", PX Document 1199, Fermilab (2013).
- ⁸ D. Asner, et al., "Project X Energy Station Workshop Report", PNNL-22390 (2013).
- ⁹ A *Second Target Station for the Spallation Neutron Source*, SNS 100000000 TR0030-R0 (2007).